

Chief, Staff B

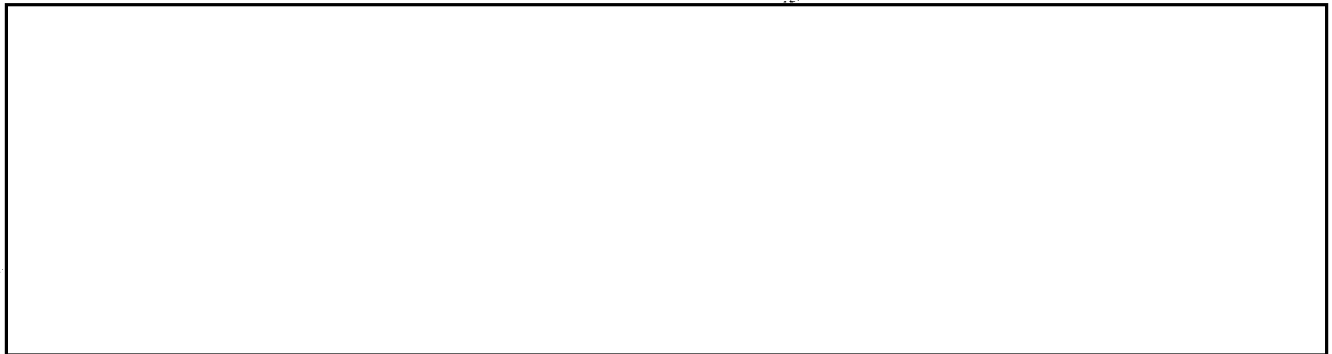
15 November 1950

Chief, Communications Division

Development and Production of [] Equipment;
Progress Report Number One

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[] subject to interruptions occasioned by production difficulties with [] proceeded on a 1-A priority from that date until the final laboratory models, plans and specifications were completed on 25 September 1950, an elapsed time of approximately six months. Successful development of highly specialized electronic equipment [] type in that period can truly be considered an unusual accomplishment.

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3. In compliance with an ADSO directive requiring earliest availability of [] equipment, arrangements were made at maximum effort for the early award of a directed production-engineering and production contract. Fortunately, a highly qualified contractor, [] particularly well versed in subminiature techniques and equipped for high production rates was found willing to undertake this work on a priority basis. Initial contractual and engineering discussions were held with cleared [] representatives on 10 October 1950.

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4. Since the laboratory models, plans and specifications were developed to a high state of completion, only 60 days will be required for final production-engineering. In this phase the manufacturer will translate the basic design to one exploiting plated and printed circuit techniques most adaptable for rapid production once the plant is properly tooled. These same features will materially improve the [] ruggedness and reduce its size and weight.

5. Because of today's critical shortage of electronic components and probable Government production controls, the manufacturer cannot guarantee production without a 90 day interval for procurement of critical components. In order to expedite early production, a calculated risk will be taken and the manufacturer authorized to procure components and tool-up simultaneously with

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the preparation of production prototypes. That the work leading to obtaining production [] is tightly scheduled is shown on the attached chart.

6. The chart was prepared after further discussions with [] and [] the Contract Section of PSD when it appeared that actual work could commence by 1 November 1950. Unfortunately, it has not yet been possible for Inspection and Security to obtain the prerequisite security clearances. I & S could not predict, as of this date, when the clearances would be completed but indicated that the matter was being handled on an expedited basis. 25X1A

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7. On the assumption that clearances will be obtained by 30 November, planning can proceed on the basis of having [] equipments in May 1951 and deliveries of [] per week thereafter. Contractual provisions have been made for accelerated production at the rate of [] units per week should that become necessary in order to fulfill commitments. The higher production rates will be reflected in increased unit costs of approximately 30%. This procurement schedule represents the best that can be obtained from any source. 25X1A

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8. Development programs similar to the [] sponsored by Armed Services laboratories, have required two to three years on normal schedules and eighteen months on an expedited basis. The same developmental project sponsored through commercial channels by means of classified directed contracts would require approximately twelve months. In view of these factors, it is the considered opinion of the Chief, Communications Division, that the [] development program has progressed with the utmost dispatch and, despite interruptions from highest priority laboratory assignments, has been completed in record time. 25X1A

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cc: OPC/OSO COMMO BOARD

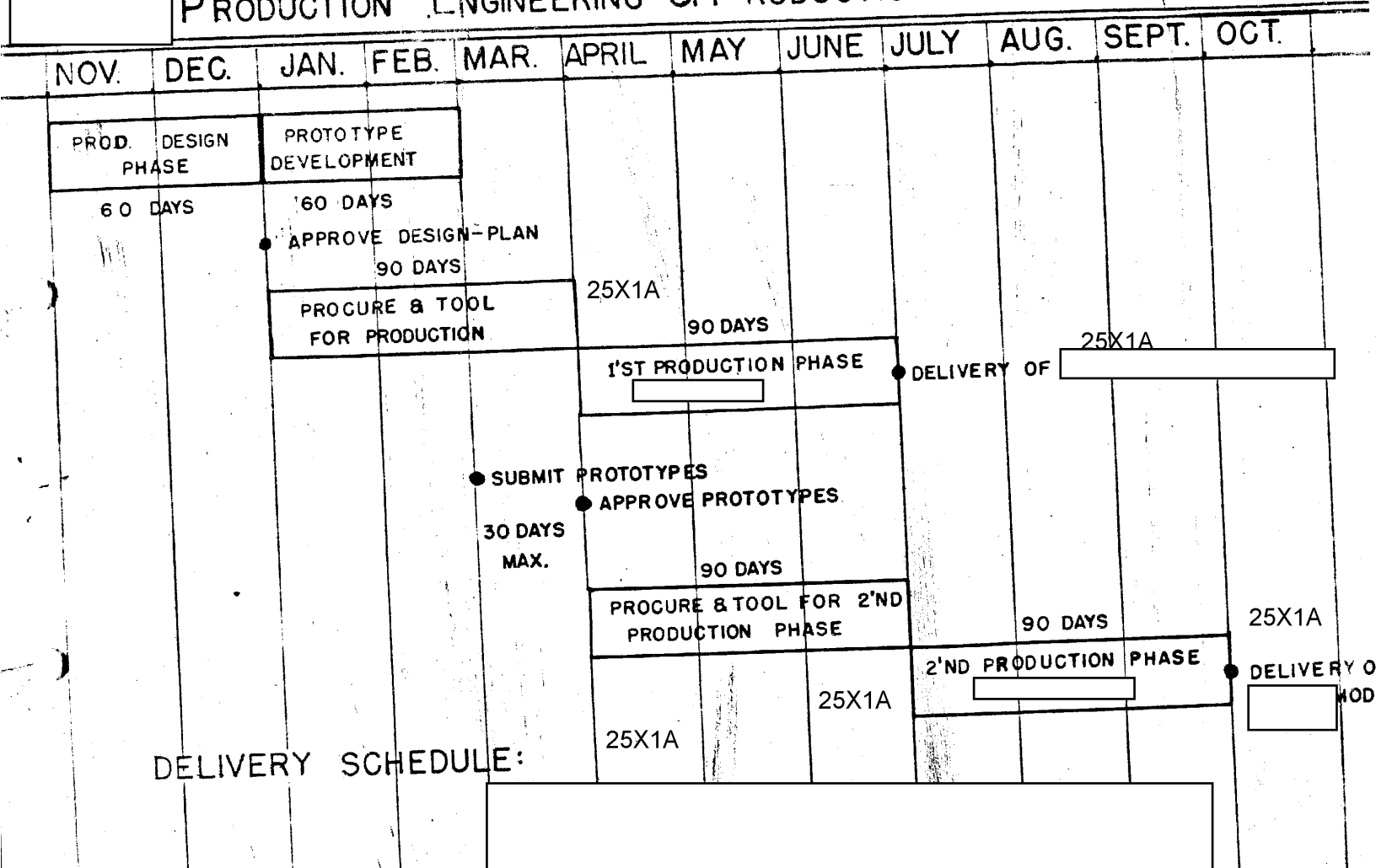
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PRODUCTION ENGINEERING & PRODUCTION SCHEDULE: CONT. #RD-



DELIVERY SCHEDULE:

NOTE: APPROVAL OF DESIGN-PLAN CONSTITUTES AUTHORITY TO PROCURE ALL CRITICAL COMPONENTS.

APPROVAL OF PROTOTYPES WILL AUTHORIZE
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